

Report Date: 19 Dec 2013

**Summary Report for Individual Task
052-243-1607
Prepare a Plot Plan for General Construction
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: Given a computer system with a power source and with civil/survey software installed and containing the file of a site plan, sketches, notes and or a construction directive to add buildings or other structures to the site. ERDC/ITL TR-09-2 (A/E/C CAD Standard). This task should not be trained in MOPP.

Standard: Create a plot plan drawing from an existing site plan by modifying the drawing with the civil/survey software. Depict the outline of the proposed building locations, structural features, dimensions, elevations, and symbols on the drawing. Create the drawing in accordance with ERDC/ITL TR-09-2 (A/E/C CAD Standard).

Special Condition: None

Safety Level: Low

MOPP: Never

Task Statements

Cue: None

DANGER

None

WARNING

None

CAUTION

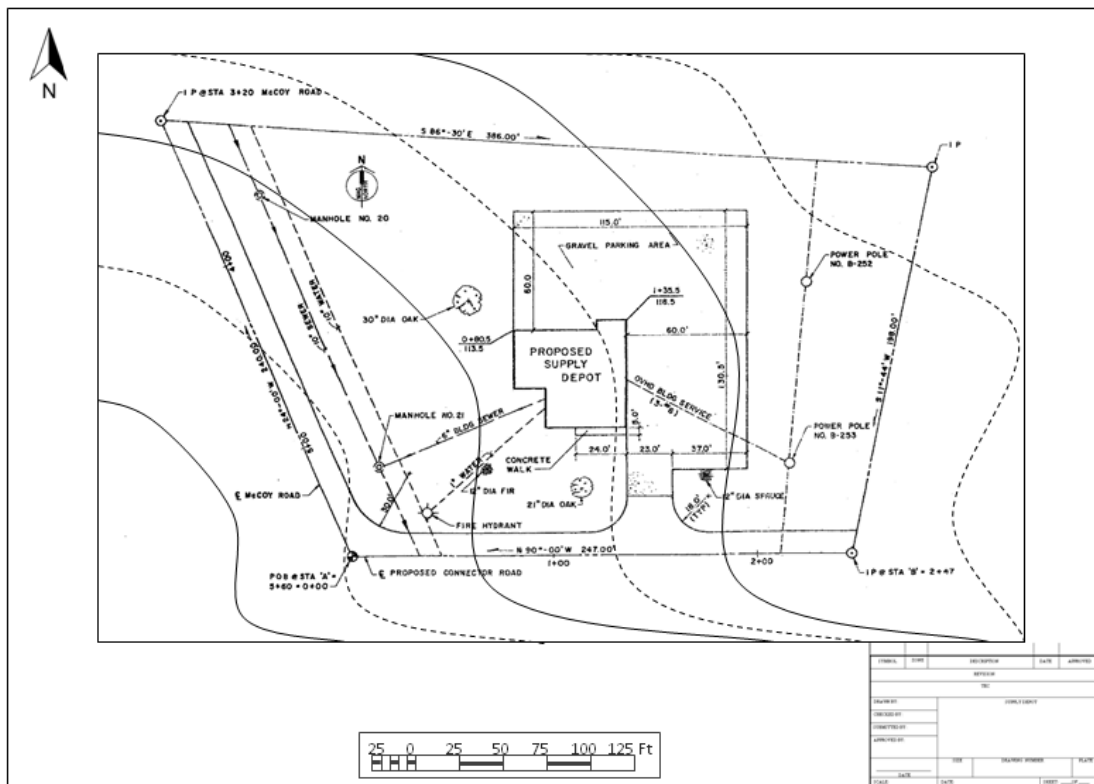
None

Remarks: None

Notes: ERDC/ITL Standards can be found at the following web address:
<http://www.nwp.usace.army.mil/About/Standards.aspx>

Performance Steps

1. Start the civil/survey software.
2. Open the site plan drawing with civil/survey software.
3. Create the proposed features/structures on the drawing with civil/survey software.
Note: Proposed features may be, but are not limited to: structures, roads, parking areas, walkways, and utilities.
4. Create dimension lines (distances and directions) on the drawing with civil/survey software.
5. Create elevations (contour lines) on the drawings with civil/survey software.
6. Create symbols on the drawing with civil/survey software.
Note: Map symbology standards can be found in ERDC/ITL TR-09-2 (A/E/C CAD Standard).
7. Print/plot the drawing.



Plot Plan Example

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all steps are passed (P). Score the Soldier NO-GO if any step is failed (F). If the Soldier fails any step, show them how to do it correctly.

Evaluation Preparation: Setup: Provide the Soldier with the items that are listed in the condition statement. Ensure that all safety precautions are followed. Prepare the testing site and equipment in advance to ensure that the task standard can be met.

Briefing: Give the Soldier a safety briefing and read the task, condition and standards before starting the test.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Started civil/survey software.			
2. Opened site plan with civil/survey software.			
3. Created proposed features on the drawing.			
4. Created dimension lines on the drawing.			
5. Create elevations on the drawings.			
6. Created symbols on the drawing.			
7. Plotted the drawing.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	ERDC/ITL TR-09-2	A/E/C CAD Standard Release 4.0.	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Conduct an Environmental Risk Assessment IAW FM 3-100.4. The assessment should be recorded on the Risk Management Worksheet found in Appendix F of FM 3-100.4. During the assessment, be on the lookout for environmental hazards. Environmental hazards include all activities that may pollute, create negative noise-related effect, degrade archaeological, cultural resources, negatively affect threatened or endangered species' habitats.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful work places, procedures, and equipment.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
052-243-1562	Prepare a Site Plan for General Construction	052 - Engineer (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-243-1562	Prepare a Site Plan for General Construction	052 - Engineer (Individual)	Approved
052-243-1541	Produce Civil Engineering Drawings	052 - Engineer (Individual)	Approved
052-243-1302	Modify a Standard Army Facilities Component System (AFCS) Drawing	052 - Engineer (Individual)	Analysis
052-243-1554	Download Data from Differential Global Positioning System (DGPS) Receiver	052 - Engineer (Individual)	Analysis

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-243-3412	Determine Drainage Requirements	052 - Engineer (Individual)	Analysis
052-243-1541	Produce Civil Engineering Drawings	052 - Engineer (Individual)	Approved
052-243-3419	Design Roadway Geometry	052 - Engineer (Individual)	Analysis

Supported Collective Tasks : None